67% LONGER LIFE. INSTANT LIGHT AFTER POWER OUTAGE.

GE LUCALOX® STANDBY XL LAMPS.

GE Lucalox® Standby XL lamps feature a dual arc tube design that provides extra long life. The second arc tube also assures that critical lighting applications will stay lit, even after momentary power outages.

Applications

- **Industrial**
- **Roadway**
- **Security**
- **Parking Areas**
- **Hard-to-Reach Areas**
- **Anywhere Light is Critical**

Longest life for reduced maintenance. The twin arc tubes provide 40,000 hours life, 67% longer than standard HPS lamps. This longer rated life reduces fixture relamping costs by significantly increasing the maintenance interval.

Continuous light after power interruption. The second tube provides light instantly after momentary power interruption—increasing to full light output in less than two minutes.

Highly efficient—up to 125 lumens per watt.

Easy replacement of standard HPS lamps. Fits standard HPS sockets—no new wiring, no new ballasts and no new fixtures required.

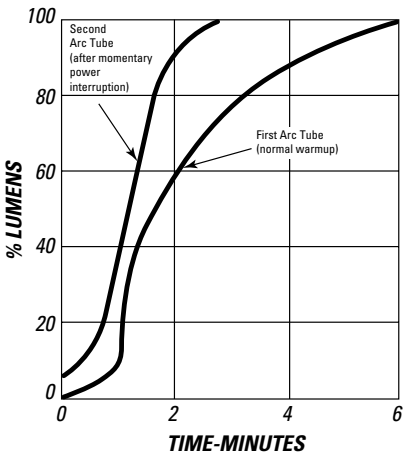
GE Lighting

GE Lucalox® Standby XL Lamps

Performance Data

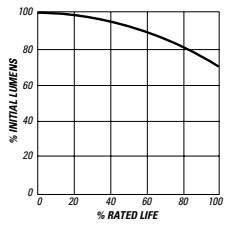
PRODUCT INFORMATION	CLEAR 70-WATT	CLEAR 100-WATT	CLEAR 150-WATT	CLEAR 200-WATT	CLEAR 250-WATT	CLEAR 400-WATT	CLEAR 1000-WATT
Product Code	19264	19265	19266	23431	19270	19272	27185
Refer to ANSI Code	S62ME-70/SBY	S54SB-100/SBY	S55SC-150/SBY	S66MN-200/SBY	S50VA-250/SBY	S51WA-400/SBY	S52
Description	LU70/SBY/XL	LU100/SBY/XL	LU150/55/SBY/XL	LU200/SBY/XL	LU250/SBY/XL	LU400/SBY/XL	LU1000/SBY/XL
Physical Characteristics							
Burn Position	Universal	Universal	Universal	Universal	Universal	Universal	Universal
Bulb Designation	E-23 1/2	E-23 1/2	E-23 1/2	E-18	E-18	E-18	E-25
Bulb Material	Heat-Resistant Glass	Heat-Resistant Glass	Heat-Resistant Glass	Heat-Resistant Glass	Heat-Resistant Glass	Heat-Resistant Glass	Heat-Resistant Glass
Bulb Nominal Diameter, mm (in)	75 (2 15/16")	75 (2 15/16")	75 (2 15/16")	57 (2 1/4")	57 (2 1/4")	57 (2 1/4")	79 (3 1/8")
Base Type (material)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)	Mogul Screw (Nickel Plated Brass)
Light Center Length, mm (in)	127 (5")	127 (5")	127 (5")	146 (5 3/4")	146 (5 3/4")	146 (5 3/4")	222 (8 3/4")
Max. Overall Length, mm (in)	197 (7 3/4")	197 (7 3/4")	197 (7 3/4")	248 (9 3/4")	248 (9 3/4")	248 (9 3/4")	383 (15 1/16")
Arc Length, mm (in)	24 (0.9")	28 (1.1")	39 (1.5")	60 (2.4")	64 (2.5")	86 (3.4")	230 (9.1")
Max. Bulb Temp °C	400	400	400	400	400	400	400
Max. Base Temp °C	210	210	210	210	210	210	210
Eccentricity: Bulb to Base	4"	4"	4"	3"	3"	3"	3"
Eccentricity: Bulb to Arc Axis	3"	3"	3"	3"	3"	3"	3"
Luminaire Characteristics	Open or Enclosed	Open or Enclosed	Open or Enclosed	Open or Enclosed	Open or Enclosed	Open or Enclosed	Open or Enclosed
Electrical/Photometric Characteristics							
Nominal Lamp Watts	70	10	150	200	250	400	1000
Nominal Lamp Volts	52	55	55	102	100	100	100
Nominal Lamp Amps—Starting	2.4	3.2	5.0	3.6	4.5	7.0	7.0
Nominal Lamp Amps—Operating	1.6	2.1	3.3	2.4	3.0	4.7	4.7
Max. Current Crest Factor	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Ballast OCV. Minimum	195	195	195	195	195	195	456
Starting Pulse Requirements							
Pulse Peak volts (min.)	2500	2500	2500	2500	2500	2500	2500
Pulse Peak volts (max.)	4000	4000	4000	4000	4000	4000	4000
Minimum Pulse Width	1 micro-sec @ 2250v	1 micro-sec @ 2250v	1 micro-sec @ 2250v	1 micro-sec @ 2250v	1 micro-sec @ 2250v	1 micro-sec @ 2250v	4 micro-sec @ 2700v
Minimum Pulse Repetition	50 per second	50 per second	50 per second	50 per second	50 per second	50 per second	50 per second
Minimum Pulse Peak Current (amp)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Initial Lumens[1]	6400	9500	16000	21500	27500	50000	127000
Mean Lumens (50% Rated Life)[1]	5050	8190	14000	18150	24750	45000	115000[1]
Design Factor	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Average Rated Life (Hrs.) 10 Hrs/Start	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Color Rendering Index (Ra) CRI @ K	22 @ 1900K	22 @ 2000K	22 @ 2000K	22 @ 2100K	22 @ 2100K	22 @ 2100K	22 @ 2100K
Warm-up time (Minutes) to 80%	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4
Hot Restart Time (Minutes) to 80%	1 to 2	1 to 2	1 to 2	1 to 2	1 to 2	1 to 2	1 to 2
Chromaticity Coordinates: X	.522	.522	.522	.522	.522	.522	.522
Chromaticity Coordinates: Y	.423	.423	. 423	.423	.423	.423	.423

Warm-up Characteristics Double Arc Tube[2]

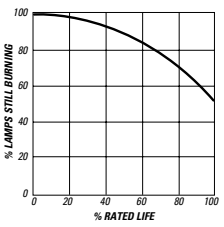


[1] **Reference Lumens**—Rated average lamp lumens obtained under controlled laboratory conditions in a prescribed burning position. Initial Reference Lumens refer to the lamp lumen output after 100-hours burning. Mean Reference Lumens refer to the lamp lumen output at the mean lumen point during lamp life. The mean lumen point occurs at 50% rated life for high pressure sodium lamps. Lamp performance on typical systems under typical service conditions will vary from the reference lumens ratings. Rated mean lumens for 1000W 27185 are measured at 40% of rated life, at rated lamp watts.
[2] When power is reapplied after a momentary power interruption, the second arc tube will instantly light and provide 5% to 10% of the total light output, then increase to 80% within 1 to 2 minutes. Standby operation is only applicable to the first 24,000 hours of life.
[3] Lumen maintenance is measured under specified test conditions at rated lamp watts. For lamps that have been operated 10 or more burning hours per start on typical commercial ballasts. Rated mean lumens are measured at 50% of rated life, at rated lamp watts.
[4] **Lumen Maintenance and Lamp Mortality**—Curves also apply for life values in the table of Estimated Average Life vs. Hours/Start.
[5] For spot relamping calculations, use an estimated average life (@ 10 hours/start) of 40,000 hours, corresponding to 50% burnouts.

Lumen Maintenance Rated Watts[3,4]



Lamp Mortality[4,5]



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For complete product information, visit the GE Web site at www.GELighting.com

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